

Title (en)
DISPLAY DEVICE

Title (de)
ANZEIGEVORRICHTUNG

Title (fr)
DISPOSITIF D'AFFICHAGE

Publication
EP 4181648 A3 20230726 (EN)

Application
EP 22203894 A 20221026

Priority
KR 20210157219 A 20211116

Abstract (en)
A display device includes: a substrate including a first display area, a second display area including a light-transmitting part, and a third display area between the first and second display areas; a first subpixel including a first TFT on the first display area and a first light-emitting element on and electrically connected to the first TFT; a second subpixel including a second TFT on the third display area and a second light-emitting element, which is on the second display area and does not overlap with the second TFT in a plan view; a thin-film encapsulation layer on the first and second subpixels; and a first transparent conductive layer between the second TFT and the second light-emitting element to electrically connect the second TFT and the second light-emitting element. The thin-film encapsulation layer has a refractive index of about 1.5 to about 1.7.

IPC 8 full level
H10K 59/121 (2023.01); **H10K 59/80** (2023.01)

CPC (source: CN EP KR US)
H01L 27/1214 (2013.01 - CN); **H10K 50/8445** (2023.02 - KR US); **H10K 50/858** (2023.02 - US); **H10K 59/121** (2023.02 - EP); **H10K 59/1213** (2023.02 - EP); **H10K 59/122** (2023.02 - KR); **H10K 59/123** (2023.02 - KR); **H10K 59/131** (2023.02 - US); **H10K 59/30** (2023.02 - KR); **H10K 59/40** (2023.02 - KR); **H10K 59/8731** (2023.02 - EP); **H10K 59/131** (2023.02 - EP); **H10K 59/38** (2023.02 - EP); **H10K 59/40** (2023.02 - EP US); **H10K 59/65** (2023.02 - EP); **H10K 59/879** (2023.02 - EP); **H10K 59/8792** (2023.02 - EP)

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Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC ME MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA

Designated validation state (EPC)
KH MA MD TN

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DOCDB simple family (application)
EP 22203894 A 20221026; CN 202211414539 A 20221111; KR 20210157219 A 20211116; US 202217944313 A 20220914